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Toshiba recommends Windows 7

Qosmio X870-027

Model: [i]
Qosmio X870-027
3rd Generation Intel® Core™ i7-3610QM processor– 2.3 GHz, Genuine Windows® 7 Home Premium, 17.3" FHD 3D LCD, 8GB DDR3, 1.5TB HDD S-ATA, NVIDIA GeForce GTX 670M – 3GB, DVD Super-Multi Double Layer with Blu-ray Disc™ RE, 1Gbps LAN, Intel 802.11 bgn, Bluetooth, Integrated1.0M Web Camera with Stereo Mic, HDMI-CEC, NVIDIA® 3D Vision Glasses

Processor

3rd Generation Intel® Core™ i7-3610QM processor (2.3 GHz, 6MB L3 Cache) with Intel® Turbo Boost Technology, Enhanced Intel® SpeedStep® Technology and Intel® Hyper-Threading Technology.

Operating System

Genuine Windows® 7 Home Premium 64 Bit

Key Features

Toshiba Reel Time
Toshiba Bulletin Board
Hard Drive Impact Sensor
Toshiba USB Sleep and Charge
Toshiba Sleep and Music
Toshiba Media Controller
harman/kardon speakers (4)
NVIDIA® 3D Vision Glasses (Active Shutter)

Memory

Standard Memory: 4GB DDR3 + 4GB DDR3 (1600 MHz)
Maximum Memory: 16GB DDR3

Hard Disk Drive

1.5TB (750GB 5400 RPM + 750GB 5400 RPM); Serial-ATA hard disk drive

Optical Drive

DVD SuperMulti (+/-R double layer) drive with Blu-ray Disc™ RE
Maximum speed and compatibility:
Read: CD-ROM (24x), DVD-ROM (8x), BD-ROM (6x)
Write: CD-R (24x), CD-RW (4x), DVD-R (Single Layer (8x), DVD-R (Double Layer (4x), DVD-RW (6x), DVD+R (Single Layer (8x), DVD+R (Double Layer (4x), DVD+RW (8x), DVD-RAM (5x), BD-R(6x), BD-R Double Layer(4x), BD-RE(2x), BD-RE Double Layer(2x)

Display System

Type: 16:9 TFT Active Matrix colour LCD display with LED backlight
Size (diagonal): 17.3" FHD
Native LCD Panel Resolution: 1920x1080x16.7 million colours
External Support and Max. Colour Support (dependant on CRT): Up to 2,048 x 1536 x 16.7 million colours

Graphics Controller

NVIDIA® GeForce GTX 670M for 3D Vision - 3GB (DDR5)-Dedicated Graphics
Up to 6897MB (64bit OS) dynamically allocated shared graphics memory with 8GB of system memory.

Sound System

Realtek ALC280Q-GR Software Sound, High Definition Audio Link, 4 harman/kardon speakers

Communication

10/100/1000 Mbps Integrated Ethernet LAN
Intel 802.11 b/g/n Wireless LAN
Bluetooth
Integrated 1.0M Camera (w/ Built-in Stereo Mic)

Expansion

4 memory slots – Slot 1 has 4GB. Slot 2 has 4GB, Slot 3 and Slot 4 are empty. 2 free memory slots available.

Ports: 2 in 1 Bridge Media Adaptor (SD Card, SDHC Card, SDXC Card, MMC, Mini SD Card, Micro SD Card), 4x USB 3.0 (2x Sleep and Charge), RJ45, external microphone port, headphone port, RGB, HDMI-CEC

Keyboard

Canadian Bilingual Keyboard
102 keys with 15 Function keys
Color: Tile Half Glossy Black w/ Backlight

Pointing Device

Clickpad with Gesture

Additional Software

Toshiba ConfigFree™
Toshiba Disc Creator
Toshiba Value Added Package
Norton Internet Security Trial
Microsoft® Office Starter 2010 includes reduced-functionality versions of Word® and Excel® only, with advertising.

Physical Dimensions

Dimensions (in mm): (WxDxH) 418.4x 272.5x 29.4/43.5
Weight: Start at 3.4kg
Color: Precious Dark Silver

AC Adapter

180W external Universal AC adapter input voltage (100 – 240V 50/60Hz Frequency (Universal), output voltage (19V, 9.5A)
Dimensions: (WxHxD) 171 x 86 x 41.5
Weight: 880g

Battery

Battery Type: Removable, Rechargeable 8-cell Lithium Ion (Li-ion) 14.4V x 47Wh capacity
Battery Life: Up to 2.5 hours.
Dimensions: (WxHxD) 271.7 x 52 x 22.5

BIOS

TSETUP, ACPI, PnP, VESA, SM BIOS, PCI BIOS Support

Security

Cable lock slot, power on password, supervisor password, HDD password

Environmental Specifications

Temperature: Operating 5˚to 35˚C (41˚ to 95˚F);
Non Operating –20˚ to 65˚C (-4˚ to 149˚F)
Thermal Gradient: Operating 15˚ C per hr. max;
Non Operating 20˚ C per hr. max
Relative Humidity: Operating 20% to 80% non-condensing;
Non-Operating: 10% to 90% non-condensing
Altitude (relative to sea level): Operating: -60 to 3,000m.;
Non-Operating: -60 to 10,000m.
Shock: Operating: 10G; Non-Operating 60G
Vibration: Operating 0.5G, 0.25G; Non-Operating: 1G

Environmental Credentials

Energy Star 5.0
RoHS

Warranty

This Qosmio notebook comes with a one (1) year parts and labour Limited Warranty. Note the original battery is warranted for one year from date of purchase. Pre-installed software is excluded from TCL standard limited warranty. For complete details on this warranty program and other Warranty Programs such as On-site and Next Business Day Service visit toshiba.ca/warranty

Accessories

TOS-SG17M- 17" Swiss Gear Scan Smart Ballistic Case
TOS-SG17R- 17" Swiss GearBusiness Traveler Roller
PA1453U-1BG8- 18" Toshiba Gaming Backpack
PA3546C-1AC3- 180W 3-Pin AC Adapter
PA5036U-1BRS- 8 Cell Battery Pack
PA3571U-1ETA- USB Optical Tilt-Wheel Mouse
PA3844C-1ERB- 2.4GHz Wireless Optical Mouse
PA3710U-1BTM- Bluetooth V2.1+EDR USB Adaptor
PA3927C-1PRP- Dynadock U 3.0 USB Docking Station

KTT-S3C/8G- 8GB 1600MHz RAM

Part Number/UPC code

PSPLXC-02700F / 6-23506-03312-1

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Central Processing Unit ("CPU") Performance Disclaimer: CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95°F) or > 25°C (77°F) at high altitude (all temperature references are approximate).

CPU performance may also vary from specifications due to design configuration. Under some conditions, your computer product may

automatically shutdown. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Support for more information.

Hard Disk Drive Disclaimer: 1 Gigabyte (GB) means 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1,073,741,824 bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the product includes pre-installed operating system and/or application software. Actual formatted capacity may vary.

GPU: Graphics processor unit ("GPU") performance may vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and may decrease considerably when operating in battery power mode.

Memory: Part of the main system memory may be used by the graphics system for graphics performance and therefore reduce the amount of main system memory available for other computing activities. The amount of main system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors. For PC's configured with 4 GB of system memory, the full system memory space for computing activities will be considerably less and will vary by model and system configuration.

TFT Display Disclaimer: Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.

LCD: Over a period of time, and depending on the usage of the computer, the brightness of the LCD screen will deteriorate. This is an intrinsic characteristic of LCD technology. Maximum brightness is only available when operating in AC power mode. Screen will dim when the computer is operated on battery power and you may not be able to increase the brightness of the screen.

Weight: Weight may vary depending on actual configuration.

Battery: Battery life may vary considerably depending on product model, configuration, applications, power management settings and features utilized, as well as the natural performance variations produced by the design of individual components. Published battery life numbers are achieved on select models and configurations tested by Toshiba at the time of publication. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba of Canada website at toshiba.ca/accessories

Software: The included additional software is subject to change without notice. No substitution of software permitted. For further information please visit toshiba.ca/support

Subject to Change:

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